

WHAT IS CLAIMED IS:

1. A transfer apparatus comprising:

a light source;

a light linearizing device for linearizing light from the light source;

a transmission type image display device; and

a photosensitive recording medium,

wherein the light source, the light linearizing device, the transmission type image display device and the photosensitive recording medium are arranged along a direction in which the light from the light source advances, and a display image transmitted through the image display device is transferred to the photosensitive image recording medium, and

wherein the light linearizing device converts the light from the light source into linear and substantially parallel rays such that the linear and substantially parallel rays can be incident on a display screen of the image display device and scans relatively the display screen of the image display device with the linear and substantially parallel rays.

2. The transfer apparatus according to Claim 1, wherein the light source is a linear light source, and

wherein the light linearizing device converts the light from the linear light source into the linear and substantially parallel rays.

3. The transfer apparatus according to Claim 2, wherein the linear light source and the light linearizing device are integrally combined with each other and the image display device and the photosensitive recording medium are also integrally combined with each other such that the linear light source and the light linearizing device can be moved along a side of the transmission type image display device in a relative relation to the image display device and the photosensitive recording medium.

4. The transfer apparatus according to Claim 3, wherein the light linearizing device has a plurality of through-holes arranged in a direction perpendicular to a direction in which said light linearizing device is moved, and wherein said plurality of through-holes have a circular or polygonal cross section and a thickness not less than three times the diameter or equivalent diameter of said plurality of through-holes.

5. The transfer apparatus according to Claim 1,

wh rein the light source is a planar light source, and wherein the light linearizing device converts the light from the planar light source into the linear and substantially parallel rays.

6. The transfer apparatus according to Claim 4, wherein the light linearizing device is movable along a side of the planar light source.

7. The transfer apparatus according to Claim 5, wherein the light linearizing device has a plurality of through-holes arranged in a direction perpendicular to a direction in which said light linearizing device is moved, and wherein said plurality of through-holes have a circular or polygonal cross section and a thickness not less than three times the diameter or equivalent diameter of said plurality of through-holes.

8. The transfer apparatus according to Claim 1, wherein the display image on the image display device and the image transferred to the photosensitive recording medium are substantially identical in size.

9. A transfer apparatus according to Claim 1, wherein

each pixel size of the image display device is not more than 0.2 mm.

10. The transfer apparatus according to Claim 1, wherein the image display device is a transmission type liquid crystal display.

11. The transfer apparatus according to Claim 1, wherein the image display device is a reflection type liquid crystal display.